

## **ABSTRACT**

The present invention is a dedicated apparatus for the formation of array that includes one or more deposition domains comprised of one or more deposition materials. The present invention may include an X, Y controller, an X, Y translation stage, a loading substrate, a deposition substrate, a Z controller, and a deposition probe. A computer controls all of the relative positions of each of the components. Furthermore, the present invention utilizes a humidity control system to create a capillary bridge between the probe and the substrate for transferring the deposition material between the loading substrate, the deposition probe, and the deposition substrate.